

In the Claims

1. (Currently Amended) An implant positioned within the lateral compartment of a modified knee joint having a lateral tibial surface and a lateral femoral condyle within a mammalian body, the joint comprising a supporting bone, an opposing bone, and an the implant adapted to be inserted and positioned in the joint to provide at least one major surface in apposition to the lateral tibial surface supporting bone, and at least a second major surface in apposition to the lateral femoral condyle opposing bone,

— wherein the implant is a knee implant and provides a first major surface positioned upon and congruent with a tibial surface of the knee, and a second major surface positioned against a femoral condyle of the knee;

and wherein the second major surface is provided with a femoral glide path to facilitate its performance *in situ*, the glide path being in the form of a generally central depression,

the implant further comprising one or more tibial projections extending distally over a rim of a posterior portion of the lateral tibial surface tibial plateau and proceeding in a mesial direction in order to improve fixation *in situ*.

2.(Cancelled)

3. (Currently Amended) A positioned implant modified knee joint according to claim 1 wherein the implant has dimensions on the order of between about 30 to about 60 mm in an anterior-posterior dimension, between about 20 mm to about 40 mm in a medial-lateral dimension, and a maximum thickness, at a posterior lip, of between about 8 mm and about 20 mm, or about 3mm to about 10 mm greater than the thickness of the implant at a center.

4. (Currently Amended) A positioned implant modified knee joint according to claim 1 wherein the implant further comprises at least one ancillary component integrated into, and partially extending from, the implant to provide anterior fixation.

5. (Currently Amended) A positioned implant modified knee joint according to claim 4 wherein the ancillary component comprises one or more protrusions adapted to be attached to either soft tissue and/or bone at the knee to improve fixation.

6-7. (Cancelled)

8. (Currently Amended) A positioned implant modified knee joint according to claim 1 further comprising one or more separate components for securing the implant to the knee, selected from a group consisting of adhesives, sutures, pins, staples, screws, and combinations thereof.

9-15. (Cancelled)

16. (Currently Amended) A positioned implant modified knee joint according to claim 1, wherein the implant comprises one or more surfaces having attached thereto a biologically active agent selected from the group cytokines, growth factors, autologous growth factors, hydroxyapatite, collagen, and combinations thereof.

17-18. (Cancelled)

19. (Currently Amended) A positioned implant modified knee joint according to claim 1 wherein the glide path is in the form of a generally central oval depression about 0.5 mm to about 5mm deep at its lowest point and about 20 mm to about 50 mm in length by 10 mm to 30 mm in width.

20-27. (Cancelled).

28. (Currently Amended) A positioned implant modified knee joint according to claim 3 wherein the glide path is in the form of a generally central oval depression about 0.5 mm to about 5mm deep at its lowest point and about 20 mm to about 50 mm in length by 10 mm to 30 mm in width.

29-45. (Cancelled)

46. (Currently Amended) A positioned implant modified knee joint according to claim 1 wherein the implant comprises a material selected from the group consisting of polyurethanes, polyethylenes, polypropylenes, Dacrons, polyureas, hydrogels, metals, ceramics, epoxies, polysiloxanes, and polyacrylates.

47. (Currently Amended) A positioned implant modified knee joint according to claim 1, wherein the implant comprises a metal.

48. (Currently Amended) A positioned implant modified knee joint according to claim 47, wherein the metal is selected from the group consisting of titanium, stainless steel, cobalt chrome alloys and tantalum.

49. (Cancelled)

50. (New) An implant positioned within the lateral compartment of a knee joint having a lateral tibial surface and a lateral femoral condyle within a mammalian body, the implant positioned in the joint to provide at least one major surface in apposition to the lateral tibial surface, and at least a second major surface in apposition to the lateral femoral condyle,

wherein the second major surface is provided with a femoral glide path to facilitate its performance *in situ*, the glide path being in the form of a generally central depression,

the implant further comprising one or more tibial projections extending distally over a rim of a posterior portion of the lateral tibial surface in order to improve fixation *in situ*, wherein the implant comprises a metal.

51. (New) A positioned implant according to claim 50 wherein the implant has dimensions on the order of between about 30 to about 60 mm in an anterior-posterior dimension, between about 20 mm to about 40 mm in a medial-lateral dimension, and a maximum thickness,

at a posterior lip, of between about 8 mm and about 20 mm, or about 3mm to about 10 mm greater than the thickness of the implant at a center.

52. (New) A positioned implant according to claim 50 wherein the implant further comprises at least one ancillary component integrated into, and partially extending from, the implant to provide anterior fixation.

53. (New) A positioned implant according to claim 50 further comprising one or more separate components for securing the implant to the knee, selected from a group consisting of adhesives, sutures, pins, staples, screws, and combinations thereof.

54. (New) A positioned implant according to claim 50, wherein the implant comprises one or more surfaces having attached thereto a biologically active agent selected from the group cytokines, growth factors, autologous growth factors, hydroxyapatite, collagen, and combinations thereof.

55. (New) A positioned implant according to claim 50 wherein the glide path is in the form of a generally central oval depression.

56. (New) A positioned implant according to claim 55 wherein the glide path is in the form of a generally central oval depression about 0.5 mm to about 5mm deep at its lowest point and about 20 mm to about 50 mm in length by 10 mm to 30 mm in width.

57. (New) A positioned implant according to claim 50, wherein the metal is selected from the group consisting of titanium, stainless steel, cobalt chrome alloys and tantalum.

58. (New) An implant positioned within the lateral compartment of a knee joint having a lateral tibial surface and a lateral femoral condyle within a mammalian body, the implant positioned in the joint to provide at least one major surface in apposition to the lateral tibial surface, and at least a second major surface in apposition to the lateral femoral condyle,

wherein the second major surface is provided with a femoral glide path to facilitate its performance *in situ*, the glide path being in the form of a generally central depression,

the implant further comprising one or more tibial projections extending distally over a rim of a posterior portion of the lateral tibial surface in order to improve fixation *in situ*, wherein the implant comprises a metal selected from the group consisting of titanium, stainless steel, cobalt chrome alloys and tantalum, and wherein the implant has dimensions on the order of between about 30 to about 60 mm in an anterior-posterior dimension, between about 20 mm to about 40 mm in a medial-lateral dimension, and a maximum thickness, at a posterior lip, of between about 8 mm and about 20 mm, or about 3mm to about 10 mm greater than the thickness of the implant at a center.